



PCT

## RAW SEQUENCE LISTING

DATE: 05/19/2006

PATENT APPLICATION: US/10/529,196A

TIME: 08:58:22

Input Set : A:\E.coli. seq. 1.ST25.txt

Output Set: N:\CRF4\05192006\J529196A.raw

3 <110> APPLICANT: Pantherix Limited  
 4 Primrose, William Ure  
 5 Ali, Sohail Tahir  
 6 Maclean, John Kinnaid  
 8 <120> TITLE OF INVENTION: Crystal Structures of Chorismate Synthase  
 10 <130> FILE REFERENCE: 7181-1  
 12 <140> CURRENT APPLICATION NUMBER: US/10/529,196A  
 C--> 13 <141> CURRENT FILING DATE: 2005-03-24  
 15 <160> NUMBER OF SEQ ID NOS: 19  
 17 <170> SOFTWARE: PatentIn version 3.3

## ERRORED SEQUENCES

1909 <210> SEQ ID NO: 19  
 1910 <211> LENGTH: 536  
 1911 <212> TYPE: PRT  
 1912 <213> ORGANISM: Toxoplasma gondii  
 E--> 1914 <400> SEQUENCE: 196-add  
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 1917 1 5 10 15  
 1920 His Gly Ser Ala Val Gly Cys Ile Ile Asp Gly Leu Pro Pro Arg Leu  
 1921 20 25 30  
 1924 Pro Leu Ser Val Glu Asp Val Gln Pro Gln Leu Asn Arg Arg Arg Pro  
 1925 35 40 45  
 1928 Gly Gln Gly Pro Leu Ser Thr Gln Arg Arg Glu Lys Asp Arg Val Asn  
 1929 50 55 60  
 1932 Ile Leu Ser Gly Val Glu Asp Gly Tyr Thr Leu Gly Thr Pro Leu Ala  
 1933 65 70 75 80  
 1936 Met Leu Val Trp Asn Glu Asp Arg Arg Pro Gln Glu Tyr His Ala Leu  
 1937 85 90 95  
 1940 Ala Thr Val Pro Arg Pro Gly His Gly Asp Phe Thr Tyr His Ala Lys  
 1941 100 105 110  
 1944 Tyr His Ile His Ala Lys Ser Gly Gly Gly Arg Ser Ser Ala Arg Glu  
 1945 115 120 125  
 1948 Thr Leu Ala Arg Val Ala Ala Gly Ala Val Val Glu Lys Trp Leu Gly  
 1949 130 135 140  
 1952 Met His Tyr Gly Thr Ser Phe Thr Ala Trp Val Cys Gln Val Gly Asp  
 1953 145 150 155 160  
 1956 Val Ser Val Pro Arg Ser Leu Arg Arg Lys Trp Glu Arg Gln Pro Pro  
 1957 165 170 175  
 1960 Thr Arg Gln Asp Val Asp Arg Leu Gly Val Val Arg Val Ser Pro Asp  
 1961 180 185 190

**Does Not Comply**  
**Corrected Diskette Needed**

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1964 Gly Thr Thr Phe Leu Asp Ala Asn Asn Arg Leu Tyr Asp Glu Arg Gly
1965      195      200      205
1968 Glu Glu Leu Val Glu Glu Glu Asp Lys Ala Arg Arg Arg Leu Leu Phe
1969      210      215      220
1972 Gly Val Asp Asn Pro Thr Pro Gly Glu Thr Val Ile Glu Thr Arg Cys
1973 225      230      235      240
1976 Pro Cys Pro Ser Thr Ala Val Arg Met Ala Val Lys Ile Asn Gln Thr
1977      245      250      255
1980 Arg Ser Leu Gly Asp Ser Ile Gly Gly Cys Ile Ser Gly Ala Ile Val
1981      260      265      270
1984 Arg Pro Pro Leu Gly Leu Gly Glu Pro Cys Phe Asp Lys Val Glu Ala
1985      275      280      285
1988 Glu Leu Ala Lys Ala Met Met Ser Leu Pro Ala Thr Lys Gly Phe Glu
1989      290      295      300
1992 Ile Gly Gln Gly Phe Ala Ser Val Thr Leu Arg Gly Ser Glu His Asn
1993 305      310      315      320
1996 Asp Arg Phe Ile Pro Phe Glu Arg Ala Ser Cys Ser Phe Ser Glu Ser
1997      325      330      335
2000 Ala Ala Ser Thr Ile Lys His Glu Arg Asp Gly Cys Ser Ala Ala Thr
2001      340      345      350
2004 Leu Ser Arg Glu Arg Ala Ser Asp Gly Arg Thr Thr Ser Arg His Glu
2005      355      360      365
2008 Glu Glu Val Glu Arg Gly Arg Glu Arg Ile Gln Arg Asp Thr Leu His
2009      370      375      380
2012 Val Thr Gly Val Asp Gln Gln Asn Gly Asn Ser Glu Asp Ser Val Arg
2013 385      390      395      400
2016 Tyr Thr Ser Lys Ser Glu Ala Ser Ile Thr Arg Leu Ser Gly Asn Ala
2017      405      410      415
2020 Ala Ser Gly Gly Ala Pro Val Cys Arg Ile Pro Leu Gly Glu Gly Val
2021      420      425      430
2024 Arg Ile Arg Cys Gly Ser Asn Asn Ala Gly Gly Thr Leu Ala Gly Ile
2025      435      440      445
2028 Thr Ser Gly Glu Asn Ile Phe Phe Arg Val Ala Phe Lys Pro Val Ser
2029      450      455      460
2032 Ser Ile Gly Leu Glu Gln Glu Thr Ala Asp Phe Ala Gly Glu Met Asn
2033 465      470      475      480
2036 Gln Leu Ala Val Lys Gly Arg His Asp Pro Cys Val Leu Pro Arg Ala
2037      485      490      495
2040 Pro Pro Leu Val Glu Ser Met Ala Ala Leu Val Ile Gly Asp Leu Cys
2041      500      505      510
2044 Leu Arg Gln Arg Ala Arg Glu Gly Pro His Pro Leu Leu Val Leu Pro
2045      515      520      525
2048 Gln His Ser Gly Cys Pro Ser Cys
2049      530      535

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VERIFICATION SUMMARY

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1914 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:19 differs:1